

Please re-write the claims as shown below.

33. (Amended) A method of identifying the presence of PAX8-PPAR γ 1 molecule in a sample comprising
analyzing the sample for the presence of a PAX8-PPAR γ 1 nucleic acid molecule.

63. (New) The method of claim 33, further comprising
contacting the sample with at least two nucleic acid amplification primers, wherein a first nucleic acid amplification primer is capable of hybridizing to a PAX8 nucleic acid molecule and a second nucleic acid amplification primer is capable of hybridizing to a PPAR γ nucleic acid molecule,
amplifying a primed nucleic acid molecule which hybridizes to the first and the second nucleic acid amplification primers; and
detecting the presence of an amplified nucleic acid molecule in the sample.

64. (New) The method of claim 33, further comprising
contacting the sample with at least two nucleic acid probes, wherein a first nucleic acid probe is capable of hybridizing to a PAX8 nucleic acid molecule and a second nucleic acid probe is capable of hybridizing to a PPAR γ nucleic acid molecule, and
detecting the presence of a nucleic acid molecule in the sample which hybridizes to both the first and the second nucleic acid probes.

65. (New) The method of claim 33, further comprising
contacting the sample with a nucleic acid probe which is capable of hybridizing to a PAX8-PPAR γ 1 nucleic acid fusion juncture, and
detecting the presence of a nucleic acid molecule in the sample which hybridizes to the nucleic acid probe.

66. (New) The method of claim 65, wherein the PAX8-PPAR γ 1 nucleic acid fusion juncture comprises a sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:9 and SEQ ID NO:11.

Remarks

In response to the Restriction Requirement, Applicants have elected Group XI with traverse. The traversal is made on the grounds that a search and examination of all the pending claims would not

require an undue burden of searching. Having made this election, Applicants expressly reserve the right to file one or more divisional applications on the subject matter of the non-elected claims.

Respectfully submitted,



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